

Table 6-5.1. Fertilizer Requirements

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/2/ — 30
2. Cool season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ — —
3. Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 3/ 1300 lbs./ac. 3/ 1100 lbs./ac.	— — —
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	—
5. Shrub Lespedeza	First Maintenance	0-10-10 0-10-10	700 lbs./ac. 700 lbs./ac. 4/	—
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/6/ 50-100 lbs./ac. 2/ 30 lbs./ac.
8. Warm season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac./6/

1/ Apply in spring following seeding.

2/ Apply in split applications when high rates are used.

3/ Apply in 3 split applications.

4/ Apply when plants are pruned.

5/ Apply to grass species only.

6/ Apply when plants grow to a height of 2 to 4 inches.

Table 6-5.2 - Permanent Cover

PLANT, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

Species	1/ - PLS 2/		Planting Dates by Resource Areas Planting Dates												Remarks
	Per Acre	Per 1000 sq.ft.	(Solid lines indicate optimum dates, dotted lines indicate permissbale but marginal dates.)												
BAHIA, PENSACOLA (Paspalum notatum) alone or with temporary cover with other perenials			J	F	M	A	M	J	J	A	S	O	N	D	166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass.
	60 lbs.	1.4 lb.													
	30 lbs.	0.7 lb.													
BAHIA, WILMINGTON (Paspalum notatum) alone or with temporary cover with other perenials			J	F	M	A	M	J	J	A	S	O	N	D	166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass.
	60 lbs.	1.4 lb.													
	30 lbs.	0.7 lb.													
BERMUDA, COMMON (Cynodon dactylon) Hulled seed alone with other perenials			J	F	M	A	M	J	J	A	S	O	N	D	1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields.
	10 lbs.	0.2 lb.													
	6 lbs.	0.1 lb.													
BERMUDA, COMMON (Cynodon dactylon) Unhulled seed with temporary cover with other perenials			J	F	M	A	M	J	J	A	S	O	N	D	Plant with winter annuals. Plant with tall fescue.
	10 lbs.	0.2 lb.													
	6 lbs.	0.1 lb.													
BERMUDA, SPRIGS (Cynodon dactylon) Coastal, Common, or Tift 44			J	F	M	A	M	J	J	A	S	O	N	D	A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 500 sprigs.
	40 cu. ft.	0.9 cu.ft.													
	or sod plugs 3' X 3'														
CENTIPEDE (Eremochloa ophiuroides)	Block sod only		J	F	M	A	M	J	J	A	S	O	N	D	Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully estabilzhed. Do not plant near pastures. Winterhardy as far north as Athens and Atlanta.
CROWNVETCH (Coronilla varia) with winter annuals or cool season grasses	15 lbs/ 0.3 lb.		J	F	M	A	M	J	J	A	S	O	N	D	100,000 seed per pounf. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink, and white blossoms spring to late fall. Mix with 30 lbs of Tall Fescue or 15 lbs of rye. Innoculate seed with M inoculant. Use from North Atlanta and Northward.

1/ Reduce seeding rates by 50% when drilled.
2/ PLS is an abbreviation for Pure Live Seed

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Species	1/ - PLS 2/		Planting Dates by Resource Areas Planting Dates												Remarks
	Per Acre	Per 1000 sq. ft.	(Solid lines indicate optimum dates, dotted lines indicate permissbale but marginal dates.)												
FESCUE, TALL (Festuca arundinacea)			J	F	M	A	M	J	J	A	S	O	N	D	
alone	50 lbs.	1.1 lbs.													
with other perennials	30 lbs.	0.7 lb.													
LESPEDEZA, SERICEA (Lespedeza cuneata)			J	F	M	A	M	J	J	A	S	O	N	D	
scarified	60 lbs.	1.4 lbs.													
unscarified	75 lbs.	1.7 lb.													
seed-bearing hay	3 tons	138 lbs.													
LESPEDEZA Ambro virgata (Ledpedeza virgata DC) or Appalow (Lespedza cuneata [Dumont] G. Don)			J	F	M	A	M	J	J	A	S	O	N	D	
scarified	60 lbs.	1.4 lb.													
unscarified	75 lbs.	1.7 lb.													

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	Per Acre	Per 1000 sq. ft.	(Solid lines indicate optimum dates, dotted lines indicate permissbale but marginal dates.)													
LESPEDeza, SHRUB (Lespedeza bicolor) (Lespedeza thumbergii) plants		3' x 3'	J	F	M	A	M	J	J	A	S	O	N	D	Provide wildlife food and cover.	
LOVEGRASS, WEEPING (Eragrostis curvula) alone	4 lbs.	0.1 lb.	J	F	M	A	M	J	J	A	S	O	N	D	1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on road banks.	
with other perennials	2 lbs.	0.05 lb.														
MAIDENCANE (Panicum hemitomon) sprigs		2' x 3' spacing	J	F	M	A	M	J	J	A	S	O	N	D	For very wet sites. May clog channels. Dig sprigs from local sources. Use along river banks and shorelines.	
PANICGRASS, ATLANTIC COASTAL (Panicum amarum var. amarulum)	20 lbs.	0.5 lb.	J	F	M	A	M	J	J	A	S	O	N	D	Grows well on coastal sand dunes, borrow areas, and gravel pits. Provides winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes.	
REED CANARY GRASS (Phalaris arundinacea) alone	50 lbs.	1.1 lb.	J	F	M	A	M	J	J	A	S	O	N	D	Grows similar to tall fescue.	
with other perennials	30 lbs.	0.7 lb.														
SUNFLOWER, 'AZTEC' MAXIMILLIAM (Helianthus maximiliani)	10 lbs.	0.2 lb.	J	F	M	A	M	J	J	A	S	O	N	D	227,000 seed per pound. Mix with weeping lovegrass or other low-growing grasses or legumes.	

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Table 6-4.1 - Temporary Cover for Companion Crops¹

PLANT, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS¹

Species	Broadcast Rates ² PLS ³		Planting Dates by Resource Areas Planting Dates (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)												Remarks
	Per Acre	Per 1000 sq.ft.	J	F	M	A	M	J	J	A	S	O	N	D	
MILLET, BROWNTOP (Panicum fasciculatum)															
alone	40 lbs.	0.9 lb.													137,000 seed per pound. Quick dense cover. Will provide too much competition in mixtures if seeded at high rates.
in mixtures	10 lbs.	0.2 lb.													
MILLET, PEARL (Pennisetum glaucum)															
alone	50 lbs	1.1 lb.													88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS (Avena sativa)															
alone	4 bu. (128 lbs.)	2.9 lb.													13,000 seed per pound. Use on productive soils. Not as winter hardy as rye or barley.
in mixtures	1 bu. (32 lbs.)	0.7 lb.													
RYE (Secale cereale)															
alone	3 bu. 168 (lbs.)	3.9													18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
in mixtures	1/2 bu. 28 lbs.	0.6 lb.													
RYEGRASS, ANNUAL (Lolium temulentum)															
alone	40 lbs.	C 0.9 lb													227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
SUDANGRASS (Sorghum Sudanese)															
alone	60 lbs.	1.4 lb.													55,000 seed per pound. Good on drought sites. Not recommended for mixtures.
WHEAT (Triticum Aestivum)															
alone	3bu. (180 lbs.)	4.1 lb													15,000 seed per pound.
in mixtures	1/2 bu. (30 lbs.)	0.7 lb.													

¹ Temporary cover crops are very competitive and will crowd our perennials if seeded too heavily

² Reduce seeding rates by 50% when drilled.

³ PLS is an abbreviation for Pure Live Seed.